Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

(For Other Works)

No. First &Part Date……2019

Division: **Byatarayanapura** Sub-Division: **Kodigehalli sub division**

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No…….. Dated…….

Work Code: 008-18-000012

Schedule Docket No. Head of Account: Est.Cost: 1090.00 Lakhs D.R.No. :

Name of Work (as per sanctioned estimate: **Package No. 03 (Package consists of 21 works).**

Name of Contractor and Full Address: **Sri. C.G.Chandrappa, #1C-301, 3rd Main Block, HRBR layout, Kalyan nagara, Bangalore-560 043.** M/S For CGC INFRA Projects Pvt Ltd.

Reference to Agreement No.BBMP/EE/BTP/WO/148/2018-19 Date: 22.10.2018

Certified that the measurements were taken by me on 2/2/19 and recorded of Pages 357065 to 078 of measurement Book No. 3571/17-18 and that the work is satisfactorily executed.

For CGC INFRA PROJECTS PVT LTD MB No: 3571/17-18.

Contractor **Officer-in-charge of work**

DIRECTOR

Certified that the measurement were taken by me on 2/2/19 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Asst. Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	3,53,70,110-00
2)	Deduct amount to be held in reserve being ……..percent Rs……	
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No…… adjusted towards cash advance recovery of	IT - 707402-00 Cess - 353701-00 CBF - 35370-00 CGST - 315805-00 SGST - 315805-00
	b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Adju - 1,728,083-00 Cheque: 3,36,42,027-00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted	

For CGC INFRA PROJECTS PVT LTD

Contractor's Signature

DIRECTOR

Received Rs…….. (in words)……

……

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

(For use in the Office)

Witness

1.

2.

For CGC INFRA PROJECTS PVT LTD

Stamp

DIRECTOR

3.53,70,110-00

17,28,083-00

3,36,42,027-00

Rs. Three crores thirty six lakhs forty two thousand and twenty seven only

ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

Executive Engineer

Dated Signature of Contractor

Paid by me by Cheque No……Dated……

Cash Rs……..

Dated……

Initials of Officer making payment

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate
1	Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, roads drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up lift 1.5, excavated surface leveled and neatly dressed disposed earth to be leveled after breaking of clods and neatly dressed as per specifications and as per the directions of the Engineer-in-charge of the work .
2	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs. 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57 machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications as per the directions of the Engineer-in-charge of the work .(Road)
3	Removing B.S.slab of Drain and stacking as per the directions of the Engineer-in-charge of the work .
4	Removing and refixing stone slabs of drains and pointing in CM (1:3) as per the directions of the Engineer-in-charge of the work .
5	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete as per the directions of the Engineer-in-charge of the work.
6	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete as per the directions of the Engineer-in-charge of the work .(Road)
7	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2meters an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work .
8	Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections and transporting to embankment location and complete as per specifications and as per the directions of Engineer-in-charge of the work .
9	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 15kms as per the directions of the Engineer-in-charge of the work .
10	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel murrum, watering charges & compaction by vibratory roller to 95% of proctors density) as per specifications as per the directions of the Engineer-in-charge of the work .
11	Providing,laying, spreading and compacting crushed stone aggregates of granite/trap/ basalt to wet macadam specification including pre mixing the Material with water at OMC in mechanical mix plant carrying mixed material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density. complete as per specifications as per the directions of the Engineer-in-charge of the work .
12	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .
13	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter by wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags, crow bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications and as per the directions of the Engineer-in-charge of the work .
14	Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work .
15	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work .

Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
	Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
Cum	-	-	0	178.07	**0.00**	0.00	0.00	
Cum	-	-	0	5520.15	**0.00**	0.00	0.00	
Sqm	-	-	0	70.32	**0.00**	0.00	0.00	
Sqm	-	-	5330.58	86.20	**459496.00**	5330.58	459496.00	
Sqm	-	-	891.36	712.28	**634897.90**	891.36	634897.90	
Sqm	-	-	187.08	883.54	**165292.66**	187.08	165292.66	
Cum	-	-	4853.14	93.00	**451342.02**	4853.14	451342.02	
Cum	-	-	820.89	52.17	**42825.83**	820.89	42825.83	
Cum	-	-	5674.03	124.12	**704260.60**	5674.03	704260.60	
Cum	-	-	321.3	342.53	**110054.89**	321.30	110054.89	
Cum	-	-	568.91	1891.85	**1076292.38**	568.91	1076292.38	
Sqm	-	-	1201.2	32.89	**39507.47**	1201.20	39507.47	
Sqm	-	-	0	14.74	**0.00**	0.00	0.00	
Sqm	-	-	2472.13	29.49	**72903.11**	2472.13	72903.11	
Cum	-	-	0	6131.49	**0.00**	0.00	0.00	

16	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregat specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to a the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifica MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 7 with 4.5 % VG-30 Bitumen as per the directions of the Engineer-in-charge of the work .
17	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunn and/or compressed air to receive bituminous treatment including cost of all materials,labhour, H machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work
18	Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surface Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) includi of all materials, labour, HOM of machineries complete as per specifications and as per the direction Engineer-in-charge of the work .
19	Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade usin HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix an transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, le alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction co in all respects as per specifications and as per the directions of the Engineer-in-charge of the work .
20	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous S Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass b 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC: finished surface to be level, uniform and free from streaks and holes complete as per specifications and the directions of the Engineer-in-charge of the work .
21	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pie exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled m stacking serviceable and unserviceable materials seperately complete as per specification and as directions of the Engineer-in-charge of the work .
22	Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and do graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a p sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to excee Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 k optimum moisture content to be determined during trial length construction, concrete strength not to be le 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications and as directions of the Engineer-in-charge of the work .
23	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 des M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not le 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed si work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, and plate vibrator and finished in a continuous operation including provision of contraction, exp construction and longitudinal joints including groove cutting charges, joint filler, separation membrane primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per complete as per specifications and as per the directions of the Engineer-in-charge of the work .
24	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Conrete S Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass b 250 gms and 2Ltr of Primer per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specif and as per the directions of the Engineer-in-charge of the work .

of ing eve s.. m)	Cum	-	-	59.99	7618.42	**457029.02**	59.99	457029.02	
gs of	Sqm	-	-	22174.89	3.40	**75394.63**	22174.89	75394.63	
.5 st ne	Sqm	-	-	24648.02	13.61	**335459.55**	24648.02	335459.55	
60 er, nd te	Cum	-	-	986.52	8686.84	**8569741.40**	986.52	8569741.40	
:- at ne er	Sqr	-	-	809.58	580.71	**470131.20**	809.58	470131.20	
ot ls ne	Cur	-	-	0	885.81	**0.00**	0.00	0.00	
ze ed 1. m, an or, ne	Cur	-	-	0	4265.73	**0.00**	0.00	0.00	
er nix ith an rm ng ed on, ant ing	Cur	-	-	376.3	6653.22	**2503606.69**	376.30	2503606.69	
ce:- s at per ons	Sqr	-	-	0	733.83	**0.00**	0.00	0.00	

25	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal hea for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenar 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Mi along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with ou of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 5 application. Over load & Short circuit protection ensures reliable operation in spite of problem in outpu Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top a street light with single screw to ensure ease of maintenance at the sight site location with minimized m tools. LED Light fixture with ..... W System Power consumption. LED Efficiency>130lm/w at FixtureEfficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility acc by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001 Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as men above should be given by LED source manufacture. Suitable 26/4.35 for B1/B2 Roads as per IS 1944 Part I & Part II.LED Streetlight 65watts as per the directions of the Engineer-in-charge of the work .
26	Supplying and Fixing of..... mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RC wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I per the directions of the Engineer-in-charge of the work .
27	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded Aluminium unsheat single core/multi core cable in open or consealed system of wiring. a)4 sqmm. as per the direction Engineer-in-charge of the work .
28	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner s galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip ind GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to ROUP-A.3.5 core 25sqmm as per the directions of the Engineer-in-charge of the work .
29	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall as required.In existing trench/duct.25 sqmm to 75 sqmm as per the directions of the Engineer-in-charg work .
30	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes2 Long Barrel as per the directions of the Engineer-in-charge of the work .
31	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of r cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, so dismantled material, disposal of unserviceable material and stacking the serviceable material with complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete G 15 & M-20.as per the directions of the Engineer-in-charge of the work .
32	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40 down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including c materials, labour, HOM of machinery, curing complete as per specifications and as per the direction Engineer-in-charge of the work .
33	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm including centering shuttering for work etc. complete as per approved drawing and design as per the dire the Engineer-in-charge of the work .
34	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, p position, lapping and / or welding wherever required, tying with binding wire and anchoring to the memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured cost of materials, labour, HOM of machinery complete as per specifications and as per the direction Engineer-in-charge of the work .
35	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc lead and lift as per the directions of the Engineer-in-charge of the work .
36	Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone ha dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including materaials, labour, curing complete as per specifications and as per the directions of the Engineer-in- the work .

nk gh of 8. W dia Hz de. ss nal & ed 8 . ed	no	-	-	0	20030.40	**0.00**	0.00	0.00	
to e / as	no	-	-	0	955.51	**0.00**	0.00	0.00	
ire the	no	-	-	0	8.03	**0.00**	0.00	0.00	
ed, d in of	rmt	-	-	0	177.19	**0.00**	0.00	0.00	
ole the	rmt	-	-	0	37.24	**0.00**	0.00	0.00	
mm	no	-	-	0	22.03	**0.00**	0.00	0.00	
nry, the lifts e M-	Cur	-	-	266.58	549.11	**146381.74**	266.58	146381.74	
and hine of all f the	Cu	-	-	777.04	5723.17	4447075- **4447132.02**	777.04	4447075- 4447132.02	
20cm ns of	Cu	-	-	752.71	11804.75	**8885553.37**	752.71	8885553.37	
ng in bining paid) of the		-	-	41.83	68740.46	**2875413.44**	41.83	2875413.44	
bating with all	Sc	-	-	3538.15	102.08	**361174.35**	3538.15	361174.35	
mered ost of rge of	C	-	-	223.64	4748.90	**1062044.00**	223.64	1062044.00	

37	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .
38	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .
39	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.530 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .
40	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .
41	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as per the directions of the Engineer-in-charge of the work .
42	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications
43	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) as per the directions of the Engineer-in-charge of the work .
44	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint as per the directions of the Engineer-in-charge of the work .
45	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint as per the directions of the Engineer-in-charge of the work .
46	Fabricating, providing and erecting in poiston of Hot dip galvanised M S Ornamental security Grill using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for suqare bars of full height and at 8cms C / C for bottom rods providg ornamental C I Designers at the botom and C I arrows inthe midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drillling holes. the work includes providng two coats of enamel painting over one coatr of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion fo the work as per specification and drawings as per the directions of the Engineer-in-charge of the work .
47	Removing and resetting of footpath slab as per the directions of the Engineer-in-charge of the work .
48	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry.B. Rubble stone masonry in cement mortar as per the directions of the Engineer-in-charge of the work .
49	Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications (available stones) as per the directions of the Engineer-in-charge of the work .

-	-	67.14	5676.67	**381131.62**	67.14	381131.62	
-	-	627.57	110.02	**69045.25**	627.57	69045.25	
-	-	51	6171.18	**314730.18**	51.00	314730.18	
-	-	0	1034.39	**0.00**	0.00	0.00	
-	-	1235	355.00	**438425.00**	1235.00	438425.00	
-	-	0	68.05	**0.00**	0.00	0.00	
-	-	0	928.91	**0.00**	0.00	0.00	
-	-	0	747.44	**0.00**	0.00	0.00	
-	-	0	367.48	**0.00**	0.00	0.00	
-	-	0	9784.23	**0.00**	0.00	0.00	
-	-	623.25	141.78	**88364.39**	623.25	88364.39	
-	-	26.14	401.67	**10499.65**	26.14	10499.65	
-	-	40.97	2979.54	**122071.75**	40.97	122071.75	

50	Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. D. RCC / PSC with OPC cement design mix M35 @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @0.68cum and fine aggregates @ 0.45cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, Case - II : Using Batching Plant, Transit Mixer & Concrete Pump as per the directions of the Engineer-in-charge of the work .	C
51	Supplying , fitting and placingTMT bar Fe 550 reinforcement in sub-structure complete as per drawing & technical specification complete as per the specification as per the directions of the Engineer-in-charge of the work .	
52	Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method as per the directions of the Engineer-in-charge of the work .	C
		Grand total

1 Certified that the above work done satisfactory and no materials issued from departmentally

-	-	0	7899.70	**0.00**	0.00	0.00	
-	-	0	71909.41	**0.00**	0.00	0.00	
-	-	0	1781.83	**0.00**	0.00	0.00	
				35370202.12		**35370202.12**	

Rs. 3.53,70,110-

Rs: 3.53,70.110-00

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.